



Docket No.: 1686-0108P
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Yoko MOTODA et al.

Application No.: 10/748,055

Confirmation No.: 8334

Filed: December 31, 2003

Art Unit: 1636

For: METHOD OF PRODUCING TEMPLATE DNA
AND METHOD OF PRODUCING PROTEIN
IN CELL-FREE PROTEIN SYNTHESIS
SYSTEM USING THE SAME

Examiner: R. Akhavan

INFORMATION DISCLOSURE STATEMENT
(SUBMISSION AFTER FINAL REJECTION)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on the PTO-SB08(s), attached hereto.

II. COPIES

☒ Copies of cited U.S. patents and patent application publications are not included. Copies of foreign patent documents and non-patent literature are included.

Birch, Stewart, Kolasch & Birch, LLP

DRN/lab

11/16/2005 HALI11 00000022 10748055

01 FC:1806

180.00 OP

III. CONCISE EXPLANATION OF THE RELEVANCE

(Check at least one box)

☒ a. DOCUMENTS IN THE ENGLISH LANGUAGE - The patents, publications, or other information listed on the attached PTO SB08 are in the English language and therefore, do not require a statement of relevancy.

☐ b. DOCUMENTS NOT IN THE ENGLISH LANGUAGE - A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

☒ c. ENGLISH LANGUAGE SEARCH REPORT - An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(III)(A)(3).

☐ d. OTHER - The following additional information is provided for the Examiner's consideration.

THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(d): After the mailing date of a Final Action under § 1.113. See the Statement Under 37 C.F.R. § 1.97(e).

IV. STATEMENT UNDER 37 C.F.R. § 1.97(e)

(check only one box)

The undersigned hereby states that:

☐ a. **Each item of information contained in the IDS was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than 30 days prior to the filing of this IDS; or**

☒ b. Each item of information contained in the IDS was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or

☐ c. No item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the IDS.

☐ d. Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was first cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application and, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

V. PAYMENT OF FEES (check one box)

☒ The required fee is listed on the attached Fee Transmittal.

- If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to our Deposit Account No. 02-2448 for

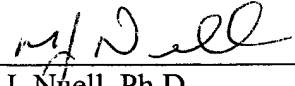
Application No.: 10/748,055

Docket No.: 1686-0108P

any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

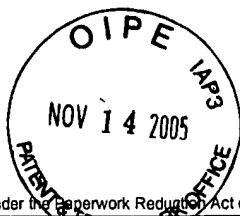
Dated: November 14, 2005

Respectfully submitted,

By 
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Attachment(s):

- ☒ PTO-SB08
- ☒ Documents
- ☒ Foreign Search Report
- ☒ Fee
- ☒ Other: Fee Transmittal



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/748,055-Conf. #8334
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Filing Date	December 31, 2003
				First Named Inventor	Yoko MOTODA
				Art Unit	1636
				Examiner Name	R. Akhavan
				Attorney Docket Number	1686-0108P
Sheet	1	of	2		

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	EP-1 316 616-A1	06-04-2003	ROCHE DIAGNOSTICS GmbH		✓
	BB	WO-00/56914-A1	09-28-2000	GENE THERAPY SYSTEMS, INC		✓

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	KAIN, et al.; "UNIVERSAL PROMOTER FOR GENE EXPRESSION WITHOUT CLONING: EXPRESSION-PCR"; BioTechniques; Vol. 10, No. 3; March 1991; pages 366-368 and 370; XP-000912135.	
	CB	MACFERRIN, et al.; "OVERPRODUCTION AND DISSECTION OF PROTEINS BY THE EXPRESSION-CASSETTE POLYMERASE CHAIN REACTION"; Proceedings of the National Academy of Sciences of the USA; March 1, 1990; Vol. 87, No. 5; pages 1937-1941; XP000268593	
	CC	OHUCHI, et al.; "IN VITRO METHOD FOR THE GENERATION OF PROTEIN LIBRARIES USING PCR AMPLIFICATION OF A SINGLE DNA MOLECULE AND COUPLED TRANSCRIPTION/TRANSLATION"; Nucleic Acids Research; October, 1998; Vol. 26, No. 19; pages 4339-4346; XP-002119037.	
	CD	NAKANO, et al.; "EFFICIENT COUPLED TRANSCRIPTION/TRANSLATION FROM PCR TEMPLATE BY A HOLLOW-FIBER MEMBRANE BIOREACTOR"; Biotechnology and Bioengineering, Interscience Publishers; July 20, 1999; XP-001084028; pages 194-199.	
	CE	SANDHU, et al.; "DUAL ASYMMETRIC PCR: ONE-STEP CONSTRUCTION OF SYNTHETIC GENES"; Biotechniques; Vol. 12, No. 1; 1992; XP-002134139; pages 14-16.	
	CF	GE, et al. ; "SIMULTANEOUS INTRODUCTION OF MULTIPLE MUTATIONS USING OVERLAP EXTENSION PCR"Biotechniques, Vol., 22, No. 1, January 1997; XP-000676361; pages 28 and 30.	
	CG	HORTON, et al.; "ENGINEERING HYBRID GENES WITHOUT THE USE OF RESTRICTION ENZYMES: GENE SPLICING BY OVERLAP EXTENSION"; GENE, Elsevier Biomedical Press; Vol. 77; April 15, 1989; pages 61-68; XP-002090392.	

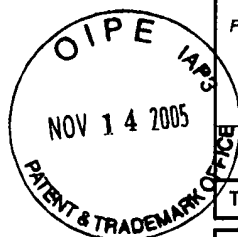
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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Birch, Stewart, Kolasch & Birch, LLP

DRN/lab



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PTO/SB/17 (12-04v2)
Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Complete if Known	
FEE TRANSMITTAL For FY 2005		Application Number	10/748,055-Conf. #8334
		Filing Date	December 31, 2003
		First Named Inventor	Yoko MOTODA
		Examiner Name	R. Akhavan
		Art Unit	1636
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Attorney Docket No.	1686-0108P
TOTAL AMOUNT OF PAYMENT		(\$)	180.00

METHOD OF PAYMENT (check all that apply)	
<input checked="" type="checkbox"/> Check	<input type="checkbox"/> Credit Card
<input type="checkbox"/> Money Order	<input type="checkbox"/> None
<input type="checkbox"/> Other (please identify):	
<input type="checkbox"/> Deposit Account Deposit Account Number: <u>02-2448</u> Deposit Account Name: <u>Birch, Stewart, Kolasch & Birch, LLP</u>	
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments

FEE CALCULATION							
1. BASIC FILING, SEARCH, AND EXAMINATION FEES							
	FILING FEES		SEARCH FEES		EXAMINATION FEES		
		Small Entity		Small Entity		Small Entity	
Application Type	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
2. EXCESS CLAIM FEES							
Fee Description						Small Entity	
						Fee (\$)	Fee (\$)
Each claim over 20 (including Reissues)						50	25
Each independent claim over 3 (including Reissues)						200	100
Multiple dependent claims						360	180
Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)		Multiple Dependent Claims		
	- 20 =	x	=		Fee (\$)	Fee Paid (\$)	
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)				
	- 3 =	x	=				
3. APPLICATION SIZE FEE							
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)			
	- 100 =	/50	(round up to a whole number) x	=			
4. OTHER FEE(S)							
							Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)							
Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement							180.00

SUBMITTED BY			
Signature		Registration No. (Attorney/Agent)	36,623
Name (Print/Type)	Mark A. Nuell, Ph.D.	Telephone	(703) 205-8043
		Date	November 14, 2005